

APPARATUS FOR COUPLING A FIBER OPTIC CABLE TO AN  
OPTOELECTRONIC DEVICE, A SYSTEM INCLUDING THE APPARATUS,  
AND A METHOD OF FORMING THE SAME

Abstract

5 A device for forming an optical connection between an optoelectronic device and an optical fiber and for forming an electrical connection between the optoelectronic device and a substrate, a system including the device and materials, and methods of forming the device and system are disclosed. The device for forming an optical connection includes a – light transmission medium and electrical connectors, which are at least partially encapsulated. In addition, the device includes guide grooves configured to receive guide pins from a fiber ribbon connector, such that when the fiber ribbon connector is attached to the device, fibers of the ribbon align with the optoelectronic device via the light transmission medium.

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